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10/647,741 Examiner

Elias Desta

Applicant(s)/Patent under Reexamination

ENNIS ET AL.

Art Unit

2857

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| = | Allowed  |

|   | (Through numeral)<br>Cancelled |
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| Z | Non-Elected  |
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| A | Appeal   |
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| o | Objected |

|          |          |              |                                              |              |              | 704        |          |          |          |          |   | <u> </u>    | aim      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                |          | )at        |          |    |
|----------|----------|--------------|----------------------------------------------|--------------|--------------|------------|----------|----------|----------|----------|---|-------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------|----------|------------|----------|----|
| Cla      | HIII     | Η-           |                                              |              |              | Date       |          |          |          | _        |   | Ula<br>Ula  | 2011     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                |          | Date       | Ī        | Т  |
| Final    | Original | 5/12/05      |                                              |              |              |            |          |          |          |          |   | Final       | Original |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                |          |            |          |    |
| 1        | 1        | =            |                                              |              | Г            |            |          |          |          |          |   |             | 51       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                |          |            |          | Г  |
| 2        | 2        | =            |                                              |              |              |            |          |          |          |          |   |             | 52       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                |          |            |          | Γ  |
| 3        | 3        | =            |                                              |              |              |            |          |          |          |          |   |             | 53       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                |          |            |          |    |
| 4        | 4        | =            |                                              |              |              |            |          |          |          |          |   |             | 54       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                |          |            |          | Г  |
| 5        | 5        | =            |                                              |              |              |            |          |          |          |          |   |             | 55       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                |          |            |          |    |
| 6        | 6        | =            |                                              |              |              |            |          |          |          |          |   |             | 56       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                |          |            |          |    |
|          | 7        |              |                                              |              |              |            |          |          |          |          |   |             | 57       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                |          |            |          | Г  |
|          | 8        |              |                                              |              |              |            |          |          |          |          |   |             | 58       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                |          |            |          |    |
|          | 9        |              |                                              |              |              |            |          |          |          |          |   |             | 59       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                |          | L          | _        | L  |
|          | 10       |              |                                              |              |              |            |          |          |          |          |   |             | 60       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                | L        | _          |          | L  |
|          | 11       |              |                                              |              |              |            |          |          |          |          |   |             | 61       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                |          | L          | L        | L  |
|          | 12       |              |                                              |              |              |            |          |          |          |          |   |             | 62       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                |          | L          | _        | L  |
|          | 13       |              |                                              |              |              |            |          | L        |          |          |   |             | 63       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                |          | _          | ㄴ        | L  |
|          | 14       |              |                                              |              |              |            |          | _        |          |          |   |             | 64       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                |          | _          |          | L  |
|          | 15       |              |                                              |              | 匚            |            |          |          |          |          |   | L           | 65       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                | _        | <u> </u>   |          | L  |
|          | 16       |              |                                              |              |              |            | L        |          | _        | <u> </u> |   |             | 66       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                |          |            | _        | ╙  |
|          | 17       |              |                                              |              |              | <u> </u>   | L        | _        |          | L        |   |             | 67       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                | <u> </u> | _          | ↓_       | ╙  |
|          | 18       |              |                                              |              |              |            |          |          |          | L        |   |             | 68       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              | <u> </u>       | <u> </u> |            | <u> </u> | _  |
|          | 19       |              |                                              |              |              |            |          |          |          |          |   |             | 69       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <u> </u>     |                |          |            |          | L  |
|          | 20       |              |                                              |              | _            |            |          |          | L        |          |   |             | 70       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | L            | _              |          |            | L        | Ļ  |
|          | 21       | L            |                                              |              |              |            |          | <u> </u> | _        |          |   | L           | 71       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                | <u> </u> | lacksquare | _        | L  |
|          | 22       | $oxed{oxed}$ |                                              | L            | $oxed{oxed}$ |            |          | <u> </u> |          | L.       |   |             | 72       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              | L              | <u> </u> | _          | ļ        | ┸  |
|          | 23       |              |                                              |              | _            | L          | L        | <u> </u> | _        | L        |   |             | 73       | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ld}}}}}}$ |              |                |          |            | <u> </u> | ╄  |
|          | 24       |              | _                                            | L            |              | L          | L        |          |          | <u>L</u> |   |             | 74       | Ŀ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | _            |                | <u> </u> | _          | <u> </u> | L  |
|          | 25       | <u> </u>     |                                              | <u> </u>     | L            | <u> </u>   | L        | _        | L.       |          |   |             | 75       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | _            | _              | _        | ╙          | ┡        | ╄  |
|          | 26       |              |                                              |              | ļ            |            | <u> </u> | L        | L.       | _        |   |             | 76       | L_                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |              |                |          | <u> </u>   | 1_       | ╀  |
|          | 27       |              | L                                            |              | L            | ┖          | <u> </u> | L        | _        | L        | ļ |             | 77       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              | _              |          | <u> </u>   | ↓        | ╀  |
|          | 28       | _            | _                                            |              | <u> </u>     | <u> </u>   |          | _        | ╙        | ļ.,,     |   |             | 78       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              | _              |          | _          | ļ        | ╀  |
|          | 29       | <u> </u>     |                                              |              | 上            | L          | _        | _        | L        | Ļ        | 1 | <u> </u>    | 79       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <u>.</u>     | _              | _        | _          | ļ        | ╄  |
|          | 30       | L            |                                              |              | <u> </u>     |            | ╙        | ╙        | L_       | _        |   |             | 80       | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              | _              | 1_       | <u> </u>   | -        | ╄  |
| L        | 31       | _            | <u>.                                    </u> | <u> </u>     | _            | _          | <u> </u> | ┞-       |          | _        |   |             | 81       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <u> </u>     | ┡              |          | ┞          | ļ        | Ļ  |
|          | 32       | <u> </u>     |                                              | <u> </u>     |              | <u> </u>   |          | ↓_       | ļ        | <u> </u> |   |             | 82       | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | L            | -              | _        | -          | ╀        | ╀  |
|          | 33       | ļ.,          |                                              | <b> </b> _   |              | ļ          | ļ        | _        | <u> </u> | <u> </u> | ļ |             | 83       | ļ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | _            | <u> </u>       |          | <u> </u>   | ⊢        | ╀  |
|          | 34       | ┞-           | <u> </u>                                     | <u> </u>     | <u> </u>     | ļ_         | ├_       | _        | <u> </u> | <u> </u> | - |             | 84       | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <u> </u>     | ├-             | ⊢        | <u> </u>   | ╁        | ╀  |
|          | 35       | <u> </u>     | <u> </u>                                     | <u> </u>     | _            | <b>!</b> — | <u> </u> | ļ        | -        | ⊢        | 1 |             | 85       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <u> </u>     | ├-             | ⊢        | <b> </b>   | ╀        | ┿  |
| <u> </u> | 36       | ļ.,          | <u> </u>                                     | ļ.           | ╄            | ↓_         | ├-       | -        |          | ⊢        | 1 | <u> </u>    | 86       | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -            | ┝              | -        | $\vdash$   | -        | ┾  |
| <u> </u> | 37       | ļ            |                                              | <u> </u>     | ┼-           | ▙          | <u> </u> |          | ├-       | ┞        | - | <b></b>     | 87       | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <u> </u>     | ⊢              | ├        | ┢          | ╄        | ╀  |
| -        | 38       | ļ            | <u> </u>                                     | ┡            | ₩            | ╁-         | _        | -        | <u> </u> |          |   |             | 88       | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ├            | ┝              | ├        | <u> </u>   | ┿        | ╀  |
|          | 39       |              | ├-                                           | ⊢            | +            | <b>├</b> - | ├        | $\vdash$ | $\vdash$ |          | 1 | <u> </u>    | 89       | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -            | -              | $\vdash$ | +-         | $\vdash$ | +  |
|          | 40       | 1            | ļ                                            | ├            |              | $\vdash$   |          | ╀        | ├-       | $\vdash$ | 1 |             | 90       | ├                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -            | $\vdash$       | -        | ╁          | +        | +  |
| L-       | 41       | ├            | ├—                                           | ├-           | $\vdash$     | +-         | ⊢        | ╀        | -        |          | 1 | ├           | 91       | <del> </del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <del> </del> | -              | -        | $\vdash$   | ╀╌       | +- |
| <u></u>  | 42       | <del> </del> | <b>↓</b>                                     | <del> </del> | +-           | +          |          | +-       | 1-       | ₩        | 1 | <u> </u>    | 92<br>93 | ├                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | $\vdash$     | ⊢              | $\vdash$ | $\vdash$   | ╁        | +  |
|          | 43       | ┼-           |                                              | $\vdash$     | +-           | $\vdash$   | $\vdash$ | +-       | ├        | ╁        | ┨ | -           | 94       | ⊢                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | $\vdash$     | +-             | $\vdash$ | $\vdash$   | +-       | +  |
| <u> </u> | 44       | ┼            |                                              | ╀            | +            | $\vdash$   | +-       | $\vdash$ | -        | ┼        | 1 | <u> </u>    | 95       | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ╁            | <del> </del> − | ╁        | $\vdash$   | ╁        | +  |
| <u> </u> | 45       | +-           | $\vdash$                                     | }-           | ╁            | +          | -        | +-       | -        | 1        | 1 | <u> </u>    | 96       | ├                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | $\vdash$     | ⊢              | $\vdash$ | +-         | +        | +  |
|          | 46       | $\vdash$     | ├                                            | ╀            | +            | $\vdash$   | $\vdash$ | ╁        | 1        | ├-       | 1 |             | 97       | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -            | +-             | ╁        | +          | +        | +  |
| -        | 47<br>48 | +-           | $\vdash$                                     | ⊢            | +-           | +-         | +-       | +-       | +-       | $\vdash$ | 1 | <del></del> | 98       | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -            | +              | $\vdash$ | +          | +-       | +  |
| -        | 48       | +            | ╁                                            | ┼-           | ╁            | +          | $\vdash$ | +        | +        | +-       | 1 | -           | 99       | ├                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | $\vdash$     | +-             | ╁        | ╁          | +        | +  |
|          | 50       | $\vdash$     | -                                            | 1            | +-           | ╁          | +-       | +-       | ╁╾       | +-       | 1 | <del></del> | 100      | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | $\vdash$     | +-             | +-       | ╁╌         | +        | +  |
|          | . :31.1  | 1            | 1                                            | 1            | 1            | 1          | 1        | 1        | 1        | 1        | 1 | 1           | 1 100    | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | I            | 1              | 1        | 1          |          |    |

| Cla        | im I     | Date     |          |              |                                                  |                |          |          |              |             |  |  |
|------------|----------|----------|----------|--------------|--------------------------------------------------|----------------|----------|----------|--------------|-------------|--|--|
|            | i i      | $\neg$   |          |              |                                                  | П              | Ţ        | Т        | П            |             |  |  |
| Final      | Original |          |          |              |                                                  |                |          |          |              |             |  |  |
|            | 51       |          |          |              |                                                  |                |          | $\Box$   |              |             |  |  |
|            | 52       |          | _        |              |                                                  | _              | _        | _        | _            | _           |  |  |
|            | 53       | _        |          |              |                                                  |                | _        | _        |              |             |  |  |
|            | 54<br>55 |          |          |              |                                                  |                |          | _        | _            |             |  |  |
|            | 55       | _        |          |              |                                                  |                | _        | _        |              |             |  |  |
|            | 56       |          |          |              | Ц                                                |                | _        | _        |              |             |  |  |
|            | 57       | _        |          |              |                                                  |                |          | _        |              | _           |  |  |
|            | 58       |          |          |              |                                                  |                | _        | _        | _            |             |  |  |
|            | 59       |          |          |              |                                                  |                | _        | _        | _            |             |  |  |
|            | 60       |          |          |              |                                                  |                | _        | _        | _            |             |  |  |
|            | 61       |          |          |              | -                                                |                | _        | _        | _            |             |  |  |
|            | 62       |          |          |              | _                                                | $\Box$         | _        | -        |              |             |  |  |
|            | 63       | -        | _        |              | -                                                |                | $\dashv$ |          | $\dashv$     |             |  |  |
|            | 64       |          |          |              | $\vdash$                                         | _              | -        |          | $\dashv$     |             |  |  |
|            | 65<br>66 |          |          |              | Н                                                |                | $\dashv$ |          | $\dashv$     |             |  |  |
| -          | 67       |          |          |              |                                                  | $\vdash$       | -        | $\dashv$ |              |             |  |  |
|            | 68       |          |          |              |                                                  | $\vdash$       |          | $\dashv$ | $\dashv$     |             |  |  |
|            | 69       |          | _        | _            | -                                                |                |          |          |              |             |  |  |
|            | 70       |          |          | _            |                                                  |                |          |          | $\dashv$     |             |  |  |
|            | 71       |          |          | _            | $\vdash$                                         |                |          |          | $\dashv$     | -           |  |  |
|            | 71<br>72 |          |          | -            |                                                  | $\Box$         |          |          |              |             |  |  |
|            | 73       |          | _        |              |                                                  |                |          |          |              |             |  |  |
|            | 73<br>74 |          |          |              |                                                  |                |          |          |              |             |  |  |
|            | 75       |          |          |              |                                                  |                |          |          |              |             |  |  |
|            | 76<br>77 |          |          |              |                                                  |                |          |          |              |             |  |  |
|            | 77       |          |          |              |                                                  | _              |          | L.,      |              |             |  |  |
|            | 78       |          |          | _            |                                                  |                |          |          |              |             |  |  |
| <u></u>    | 79       |          |          | <u> </u>     |                                                  |                |          |          |              | <del></del> |  |  |
| <u> </u>   | 80       |          |          | _            | _                                                | $\vdash$       |          |          |              |             |  |  |
|            | 81       |          | -        | -            |                                                  | _              |          |          | -            |             |  |  |
|            | 82<br>83 |          | ┝        |              | -                                                | -              | _        |          | -            |             |  |  |
| <b> </b>   | 84       |          | $\vdash$ | <del> </del> |                                                  | $\vdash$       | H        |          | $\vdash$     | -           |  |  |
| -          | 84<br>85 |          | $\vdash$ | -            | $\vdash$                                         | $\vdash$       | $\vdash$ | $\vdash$ | Н            |             |  |  |
|            | 86       | _        | $\vdash$ | $\vdash$     | ┢                                                |                | H        |          | Н            |             |  |  |
| 1          | 87       |          | H        | $\vdash$     | <del>                                     </del> |                | H        |          |              |             |  |  |
|            | 88       |          |          | Г            | <u> </u>                                         |                | Г        |          |              | _           |  |  |
|            | 89       |          |          |              | Π                                                |                |          |          |              |             |  |  |
|            | 90       |          |          |              |                                                  |                |          |          |              |             |  |  |
|            | 91       |          |          |              |                                                  |                |          |          |              |             |  |  |
|            | 92       |          |          |              |                                                  |                |          |          |              |             |  |  |
|            | 93       | L        | <u> </u> | <u>L</u>     | L                                                | <u> </u>       | ļ        |          |              | _           |  |  |
|            | 94       |          | _        | _            | <u> </u>                                         | <u> </u>       | ļ        | <u> </u> | $oxed{oxed}$ | _           |  |  |
| <u>L</u> _ | 95       |          |          | L-           | <u> </u>                                         | <u> </u>       | <u> </u> | <u> </u> | _            | L.          |  |  |
|            | 96       | Ŀ.       |          | -            | Ι—                                               | $\vdash$       | <b> </b> | <u> </u> | -            | -           |  |  |
| -          | 97       | $\vdash$ | -        | $\vdash$     | $\vdash$                                         | ⊢              | -        | -        | $\vdash$     | _           |  |  |
|            | 98       |          | $\vdash$ | +-           | ╁                                                | <del> </del> - | -        | -        | -            | $\vdash$    |  |  |
| -          | 100      | $\vdash$ | -        | ├-           | ╁                                                | $\vdash$       | $\vdash$ | ╁        | $\vdash$     | -           |  |  |
|            |          |          | 1        |              |                                                  |                |          | 1        |              |             |  |  |

| Cla                                              | aim                                                  |          |            |              |               | Date                                             | <del></del>  | _                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |
|--------------------------------------------------|------------------------------------------------------|----------|------------|--------------|---------------|--------------------------------------------------|--------------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
|                                                  |                                                      |          |            |              |               |                                                  |              |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |
| <u>a</u>                                         | Original                                             |          |            |              |               |                                                  |              |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |
| Final                                            | rig                                                  |          |            |              |               |                                                  |              |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |
|                                                  |                                                      |          |            |              |               |                                                  |              |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |
|                                                  | 101<br>102                                           |          |            |              |               |                                                  |              |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |
|                                                  | 102                                                  |          |            |              |               |                                                  |              |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |
|                                                  | 103<br>104<br>105                                    |          |            |              |               |                                                  |              |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |
| •                                                | 104                                                  |          |            |              |               |                                                  |              |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |
|                                                  | 105                                                  |          |            |              |               |                                                  |              |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |
|                                                  | 106<br>107<br>108                                    |          |            |              |               |                                                  |              |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |
|                                                  | 107                                                  |          |            |              |               |                                                  |              |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |
|                                                  | 108                                                  |          |            |              |               |                                                  |              |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |
|                                                  | 109                                                  |          |            |              |               |                                                  |              |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Ш                                                |
|                                                  | 110                                                  |          |            |              |               |                                                  |              |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |
|                                                  | 111                                                  |          |            |              |               |                                                  |              |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Ш                                                |
|                                                  | 112                                                  | <u> </u> |            |              |               |                                                  |              |                                                  | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ld}}}}}}$ | Ш                                                |
|                                                  | 113                                                  | <u> </u> |            | <u> </u>     | _             | _                                                | Ш            |                                                  | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Ш                                                |
|                                                  | 109<br>110<br>111<br>112<br>113<br>114<br>115        |          | L          | <u> </u>     | _             | L_                                               |              |                                                  | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Ш                                                |
|                                                  | 115                                                  |          |            |              |               |                                                  |              |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Ш                                                |
|                                                  | 116                                                  |          |            | _            | L_            |                                                  | _            |                                                  | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Ш                                                |
|                                                  | 117                                                  |          | <u> </u>   |              | <u> </u>      |                                                  |              |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |
|                                                  | 118                                                  |          |            |              |               |                                                  | L            | _                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Ш                                                |
|                                                  | 119                                                  |          |            |              | _             | _                                                | $oxed{oxed}$ |                                                  | <u>_</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Ш                                                |
|                                                  | 120                                                  |          |            |              |               |                                                  |              |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Ш                                                |
|                                                  | 121                                                  |          |            |              |               | L.                                               |              |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Ш                                                |
|                                                  | 122                                                  |          |            | L            | _             |                                                  | _            | _                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |
|                                                  | 117<br>118<br>119<br>120<br>121<br>122<br>123<br>124 |          | <u> </u>   | L            |               | _                                                | _            |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |
|                                                  | 124                                                  |          | _          | <u> </u>     |               | <u> </u>                                         |              | _                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |
|                                                  | 125<br>126<br>127                                    |          | _          | ļ            |               | _                                                |              |                                                  | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Ш                                                |
|                                                  | 126                                                  |          |            | <u> </u>     |               | <u> </u>                                         |              | <u> </u>                                         | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | _                                                |
|                                                  | 127                                                  | _        |            | <u> </u>     |               | _                                                | _            | <u> </u>                                         | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Н                                                |
|                                                  | 128<br>129<br>130                                    | ļ        | <u> </u>   | -            | _             | -                                                | <u> </u>     | <u> </u>                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Н                                                |
|                                                  | 129                                                  | _        | <u> </u>   | -            | _             | _                                                | _            | <u> </u>                                         | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                  |
|                                                  | 130                                                  | <u> </u> | ⊢          | ⊢            | <u> </u>      |                                                  | _            | ļ                                                | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | H                                                |
|                                                  | 131<br>132                                           |          | <u> </u>   | ╄            | _             | <u> </u>                                         | <u> </u>     |                                                  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -                                                |
| <u> </u>                                         | 132                                                  | <u> </u> |            | ├-           | ⊢             | <u> </u>                                         | -            |                                                  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | $\vdash$                                         |
| <u> </u>                                         | 133<br>134                                           | ⊢        | ļ <u>.</u> | <del> </del> | $\vdash$      | $\vdash$                                         | -            |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | $\vdash$                                         |
| <u> </u>                                         | 134                                                  | ⊢        | ₩          | $\vdash$     | -             | $\vdash$                                         | $\vdash$     | -                                                | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | $\vdash$                                         |
| <b></b>                                          | 135                                                  | $\vdash$ | -          | ┢            |               | $\vdash$                                         | $\vdash$     | -                                                | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | $\vdash$                                         |
|                                                  | 136<br>137<br>138                                    | ├        | $\vdash$   | $\vdash$     | <del> -</del> | ├-                                               | $\vdash$     | -                                                | <del>                                     </del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | $\vdash$                                         |
|                                                  | 130                                                  | -        | ⊢          | $\vdash$     | $\vdash$      | -                                                | -            | $\vdash$                                         | ╁                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -                                                |
|                                                  | 139                                                  | -        | $\vdash$   | ╁            | $\vdash$      | $\vdash$                                         | <del> </del> | $\vdash$                                         | <del> </del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | H                                                |
| <del>                                     </del> | 140                                                  | ╁        | ┢          | +            | ├-            | $\vdash$                                         | $\vdash$     | -                                                | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | $\vdash$                                         |
| <u> </u>                                         | 141                                                  | $\vdash$ | $\vdash$   | ╁            | ╁             | <del>                                     </del> | ╁            | -                                                | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | $\vdash$                                         |
| <u> </u>                                         | 142                                                  | $\vdash$ | $\vdash$   | t            | <del> </del>  |                                                  | $\vdash$     | $\vdash$                                         | <del>                                     </del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <del>                                     </del> |
|                                                  | 143                                                  | +-       | $\vdash$   | +            | $\vdash$      | $\vdash$                                         | $t^-$        | <del>                                     </del> | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | $\vdash$                                         |
| <b>—</b>                                         | 144                                                  | $\vdash$ | $\vdash$   | +-           | 1-            | $\vdash$                                         | $\vdash$     | Н                                                | $t^-$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | T                                                |
|                                                  | 145                                                  | $\vdash$ | $\vdash$   | 1            | $t^-$         | t                                                | $\vdash$     | $\vdash$                                         | t                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 十                                                |
|                                                  | 146                                                  | t        | $\vdash$   | $\vdash$     | t             | 1                                                | t            | <del> </del>                                     | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                                                |
|                                                  | 147                                                  | $\vdash$ | $\vdash$   | $\vdash$     | $\vdash$      | $\vdash$                                         | T            | t                                                | <del>                                     </del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | $\vdash$                                         |
|                                                  | 148                                                  | $\vdash$ | t          | †            | 1             | Τ-                                               | 1            | T                                                | t                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | T                                                |
| $\vdash$                                         | 149                                                  | +        | $t^{-}$    | 1            | <del> </del>  | <del>  -</del>                                   | t            | 1                                                | $t^-$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | $t^-$                                            |
|                                                  | 150                                                  | $t^-$    | t          | +            | $\vdash$      | $\vdash$                                         | $t^-$        | t                                                | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>†</b>                                         |
| L                                                | 1.00                                                 |          | ட          |              |               | 1                                                |              | ш                                                | ٠                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ٠                                                |